

7 (4)

AUTHOR:

Kudokotsev, V. P.

SOV/20-126-5-66/69

TITLE:

Regeneration of Extremities in Ablepharus deserti Strauch
(Regeneratsiya konechnostey u pustynnogo gologlaza (Ablepharus
deserti Strauch))

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 1141 - 1144
(USSR)

ABSTRACT:

As is well known some lizard species are able to regenerate their extremities imperfectly. The species mentioned in the title has this property (Refs 3,7). With the reptiles these processes are insufficiently investigated in contrast to amphibians (Refs 6,8). Since the lizards belong to the most inferior terrestrial amniote vertebrates, the greatest part of which has lost the said property, the problem mentioned is interesting. Its results must contribute to the comprehension of the alterations to which the regeneration processes are subjected under the conditions of the manner of living on land. With the first series of the said lizards the right hind-legs were amputated in the distale 1/3 of the upper part of the thigh. The material was fixed on the 1st, 2nd, 5th, 7th, 10th, 12th, 15th, 20th, 30th, 45th, 60th, 106th, and 120th day after the amputation. In

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Regeneration of Extremities in *Ablepharus deserti*
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the second series the extremities were amputated in an oblique cut whereby the amputation surface was enlarged. The dependence of the regeneration on the size of this surface was studied. Figures 1-3 show microphotographs of the regenerates. The results of the investigations testify that the main steps of the regeneration of an extremity of the mentioned lizard are like the regeneration steps of the Urodela and Anura (amphibians) with respect to some fundamental peculiarities. This apart from other notions (Ref 1) points to the fact that a distant ancestor of the land vertebrates which possessed walking extremities was capable of the regeneration. The missing of this ability at the most land vertebrates is based on the loss of this capacity in the course of the phylogenesis under conditions of the manner of living on land. This loss is not effected by a weakening of the regeneration capacity of the texture. Apparently it is a consequence of the disturbance of the texture interrelations necessary for the regeneration which were proper to the ancestors of the land vertebrates. The intensity decrease of the texture destruction especially of the skeleton in the rest of the extremities could lead to such a disturbance,

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furthermore the rapid overgrowth of the connective tissue preventing the regeneration of the muscular system and the growing of the nerves into the epidermis cap. There are 3 figures and 15 references, 7 of which are Soviet.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo
(Khar'kov State University imeni A. M. Gor'kiy)

PRESENTED:

March 11, 1959, by I. I. Shmal'gauzen, Academician

SUBMITTED:

February 19, 1959

Card 3/3

KUDOKOTSEV, V.P.

Stimulation of extremital regeneration in lizards by additional innervation. Dokl. AN SSSR 142 no.1:233-236 Ja '62. (MIRA 14:12)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo
Predstavleno akademikom I.I. Shmal'gauzenom.

(REGENERATION (BIOLOGY))
(EXTREMITIES (ANATOMY)—INNERVATION)

KUDOKOTSEV, V.P.

Influence of the central nervous system on the regeneration
of tissues and organs in reptiles. Dokl. AN SSSR 153 no.3:
733-736 N '63. (MIRA 17:1)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
Predstavleno akademikom I.I. Shmal'gauzenom.

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KUDOKOTSEV, V.P.

Stimulation of the regeneration process in mammalian extremities by the action of tissue extract. Nauch. dokl. vys. shkoly; biol. nauki no.3:40-43 '64 (MIRA 17:8)

1. Rekomendovana kafedroy zoologii pozvonochnykh Khar'kovskogo gosudarstvennogo universiteta imeni Gor'kogo.

KUDOKOTSEV, V.P.

Stimulation of the regeneration process in mammalian extremities by the action of tissue extract. Nauch. dokl. vys. shkoly; biol. nauki no.3:40-43 '64 (MIRA 17:8)

1. Rekomendovana kafedroy zoologii pozvonochnykh Khar'kovskogo gosudarstvennogo universiteta imeni Gor'kogo.

KUDOKOTSEV, V.P.; KUNTSEVICH, V.A.

Stimulation of the restorative processes by the method of
trypsin and calcium chloride treatment of the surgical wound
following amputation of external organs in mammals. Biul.
eksp. biol. i med. 60 no.9:106-109 S '65. (MIRA 18:10)

1. Biologicheskiy fakul'tet Khar'kovskogo universiteta.

KUDOYAROV, B.V., inzh.

Tendency toward brittleness in multilayer low-alloy welds
made by automatic welding under flux. Svarka 1:38-48 '58.
(MIRA 12:8)
(Steel alloys--Welding) (Electric welding) (Metallography)

KUDOIAROV, Docent G. Kh.

"Partial Transplantation of the Corneal Envelope Complicated by a Displacement of the Vitreous Body." Vest. Oftalmol., No. 5, 1949.

KUDOYAROV, G.Kh., dotsent

Results of studying the onset and course of trachoma. Vest. oft.
34 no.4:17-20 Jl-Ag '55. (MLRA 8:10)

1. Iz Bashkirskego nauchno-issledovatel'skogo trakhomatoznogo
instituta (dir.dotsent G.Kh.Kudoyarov, nauchnyy rukovoditel'
zasluzhennyy deyatel' nauki prof. V.I.Spasskiy)
(TRACHOMA, physiology,
form & course)

USSR / Virology. Viruses of Man and Animals. Chlamydiae.

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No. 99187

Author : Kudoyarov, G. Kh.

Inst : State Scientific Research Institute for Eye Diseases

Title : On Question of Differential Diagnosis of the Acute
Incipient Period of Trachoma and Conjunctivitis with
Inclusions

Orig Pub : Uch. zap. i inform. metodye. Gos. n.-i
in-t glazn. boleznyoy, 1957, No 5, 78-81

Abstract : No abstract given

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SYSOYEV, F.; KUDOYAROV, G.

First All-China Conference on the Control of Trachoma. Vest.oft.
72 no.2:52-55 Mr-Apr '59. (MIRA 12:4)
(HARBIN, CHINA--CONJUNCTIVITIS, GRANULAR--CONGRESSES)

KUDOYAROV, G.Kh.

Differential diagnosis of spring catarrh and trachoma. Vest. oft.
73 no. 3:11-18 My-Je '60. (MIRA 14:1)
(CONJUNCTIVITIS)

KUDOYAROV, G. Kh.

Doc Med Sci - (diss) "Appearance and course of trachoma." Kuybyshev, 1961. 22 pp; (Kuybyshev State Medical Inst); 250 copies; price not given; (KL, 6-61 sup, 235)

KUDOYAROV, G.Kh., dotsent; CHEMODANOVA, L.Ye., nauchnyy sotrudnik

Cataract extraction in glaucomatous eyes. Vest. oft. no. 4:24
29 '61. (MIRA 14:11)

1. Kafedra glaznykh bolezney Bashkirskogo gosudarstvennogo meditsinskogo instituta, Bashkirskiy nauchno-issledovatel'skiy trakhomatoznyy institut.
(GLAUCOMA) (CATARACT)

KUDOYAROV, G.Kh., dotsent; MESHCHEROVA, N.Kh., kand.med.nauk

Cytological picture in the acute primary stage of trachoma.
Oft. zhur. 16 no.1:7-11 '61. (MIRA 14:3)

1. Iz Bashkirskogo nauchno-issledovatel'skogo trakhomatoznogo
instituta.

(CONJUNCTIVITIS, GRANULAR)

BONDARENKO, L.A.; KUDOYAROV, G.Sh.; YAKOVLEVA, Ye.I.

Problems of the transportation of petroleum products from
Bashkiria. Trudy NII Transneft' no.3:182-188 '64.
(MIRA 18:2)

BOGDARENKO, L.A.; KUDOYAROV, G.Sh.

Necessity of constructing the Ufa-Kuybyshev pipelines. Neft.
khodz. 40 no.10:62-64 0 '62. (MIRA 16:7)

(Pipelines)

BONDARENKO, L.A.; KUDOVYAROV, G.Gh.

Methods for the determination of the level of mechanization in
the transport and storage of petroleum and petroleum products.
Transp. i khran. nefi pt. c no.2:34-37 '63. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut po transportu i khraneniya
nefti i nefteproduktov.

BONDARENKO, L.A.; KUDOYAI'OV, G.Sh.

Centralized base for Ufa petroleum refineries. Transp. i khran.
nefti no.1:30-32 '63. (MIKA 16:9)

1. Nauchno-issledovatel'skiy institut po transportu i khraneniyu
nefti i nefteproduktov.

YAKOVLEVA, Ye. I.; KUDOYAROV, G. Sh.

Economic efficiency of the water transportation of mazut with
internavigational storage. Trudy NIITransneft' no. 3:189-192
'64. (MIRA 18:2)

MIKHAYLOV, B.V., kandidat tekhnicheskikh nauk; LEMEKHOV, V.N., inzhener;
KUDOVYANOV, L.I., inzhener.

Use of electric heating in concrete work during the winter
of 1955-1956. Mekh. stroi. 13 no.8:29-3 of cover Ag '56.
(MLRA 9:10)

(Concrete construction--Cold weather conditions)

KUDOYAROV, L.I., inzh.

Precast reinforced-concrete structural elements. Energ.stroi.
no.5:173-177 '58. (MIRA 12:5)

1. Nachal'nik otdeleniya OISMK.
(Volga Hydroelectric Power Station--Precast concrete)

KUDOVAROV, L.I., inzh.

Letter to the editor. Energ.stroi. no.15:66-67 '59.
(MIRA 13:8)

1. Nachal'nik Laboratorii spetsial'nykh metodov
issledovaniya Vsesoyuznogo nauchno-issledovatel'skogo
instituta nerudnoy promyshlennosti.
(Electric welding--Production standards)
(Reinforced concrete)

KUDOYAROV, L.I., kand. tekhn. nauk

Preparation of concrete aggregates in winter. Bet. 1 shel.-
bet. 9 no.3:108-112 Mr '63. (MIRA 16:4)

(Aggregates(Building materials)—Cold weather
conditions)

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.;
 BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; PIYANOV, T.F.;
 GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.;
 GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.;
 ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.;
 ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHEVNIKOV,
 N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.;
 KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV, V.P.; LEVCHENKOV,
 P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN,
 G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand.
 tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.;
 NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.;
 PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.;
 RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.;
 SAULIDI, I.P.; SDOENIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.;
 SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.;
 TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN,
 N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY,
 Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof.,
 glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam.
 glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH,
 A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.;
 SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I.,
 red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.
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ALEKSEYEV, G.P.—(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaya gidroelektrostantsiya; tekhnicheskii otchet o proektirovanii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiya i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: N.V.Razin, A.V.Arnol'd, N.L.Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).

(Volga Hydroelectric Power Station (Lenin)—Design and construction)

31061. KUDOVAROV, L. KH.

Operatsiya chastichnoy skvoznoy peresadki rogovoy obolochki pri oslo
zhnenii Vypad eniem steklov i dnogo tela. Vestnik oft: lmologii, 1949, No. 5,
s. 14-16

ZHEREBIN, B.N.; MISHIN, P.P.; KUDOLYAROV, M.S.; SUKHENKO, S.I.; RASKIN, V.Z.;
OSTROUKHOV, M.Ia.; RAKOV, V.V.

Experimental blast furnace smelting using coke from large-capacity
coke ovens. Koks i khim. no.2:23-29 '64. (MIRA 17/2)

1. Kuznetzskiy metallurgicheskiy kombinat (for Raskin).
2. Chelyabinskiy institut stali (for Ostroukhov). 3. Kuznetzskiy
filial Vostochnogo uglekhimicheskogo instituta (for Rakov).

SLINCHENKO, Yo.V.; YARMOLINSKIY, N.P.; KUDOYAROV, M.S.; AMAN'YEV, P.V.

Blast furnace operation with evaporation cooling. Metallurg
7 no.7:9-11 JI '62. (MIRA 15:7)

1. Kuznetskiy metallurgicheskiy kombinat.
(Blast furnaces--Cooling)

ZHEREBIN, B.N.; KUDOYAROV, M.S.; SLINCHENKO, Ye.V.; POLYANSKIY, D.S.

Operation of blast furnaces with a capacity of 1719 m³. Stal'
22 no.3:210-215 Mr '62. (MIRA 15:3)
(Blast furnaces)

ZHEREBIN, B.N.; DEMBOVETSKIY, V.P.; KUDOYAROV, M.S.; MISHIN, P.P.

Studying blast furnace operations with the blowing of coke
oven gas into the hearth. Stal' 25 no.4:293-298 Ap '65.
(MIRA 18:11)

1. Kuznetskiy metallurgicheskiy kombinat i Sibirskiy
metallurgicheskiy institut.

KUDOYAROV, R. G.: Master Med Sci (diss) -- "Material on the epidemiology of ~~trachoma under conditions of mass treatment~~ (Biomicroscopic investigations on the foci of trachoma of the Bashkir ASSR)". Samarkand, 1958. 24 pp (Samarkand State Med Inst im Acad I. P. Pavlov), 200 copies (KI, No 10, 1959, 128)

KUDOYAROV, V.A. (Noril'sk); BELENKOV, I.A. (Noril'sk)

Non-freezing ice meter. Vod.i san. tekhn. no.10:35 0 '62.
(MIRA 15:12)
(Pipelines)

KOLODIANOV, I. A., MATIENKO, Z., NEUDACHIN, V. G., SMIRNOV, I. P.

"Determination of the Degree of Isolation of Alpha Clusters in Nuclei of the p-shell by E_{α} Transitions."

"Inelastic Scattering of Electrons on Be^9 in the Nucleon Cluster Model."

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Dissertation: "Delivery in a Low Transverse Presentation of the Head." Cand Med Sci,
Second Moscow Medical Inst imeni I. V. Stalin, Moscow, 23 Jun 54. (Meditsinskiy Rabotnik,
Moscow, 15 Jun 54)

SO: SUM 318, 23 Dec 1954

KUDR, J.

KUDR J.

Vysledky chirurgicke lecby cholelithiasy. ~~Postoperative con-~~
ditions in patients operated for cholelithiasis/ Cas. lek. ceak.
89:13 31 Mar 50 p. 372-7.

1. Of the Surgical Clinic at Hradec Kralove (Head -- Prof.
Jan Bedrna, M.D.).

CIAHL 19, 1, July 50

KUDR, J.

Modern therapy of burns. Prakt. lek., Praha 31 no. 2:36-38 20 Jan
1951. (CLML 22:3)

1. Of the Surgical Clinic (Head--Prof. J. Bedrna, M. D.) of Charles
University Branch in Hradec Kralove.

Excerpta Medica Sec 9 Surgery Vol. 9/6 June 55

5117. KUDR J. Chirurg. Klin. pobocky lek, Fak. L.U. e Hradci Kralové. *Přispěvek
k ~~poznání~~ ^{poznání} jaterního hemangiomu. Contribution to the clinical as-
pect of hemangioma of the liver ROZHIL. CHIR. 1954, 33/9
(467-471)

KUDR, Jaroslav, As MUDr

Spontaneous degastroenterostomy. Cas. lek. cesk. 93 no.44:1225-
1227 20 Oct 54.

1. Z chirurgické kliniky pobočky lékařské fakulty K U v Hradní
Kralové. Přednosta prof. MUDr J. Bedrna.

(PEPTIC ULCER, surgery,

gastroenterostomy, postop. closure of anastomosis)

KUDR, Jaroslav, MUDr.

Acute thrombophlebitic necrosis of abdominal skin. Cas. lek. cesk.
95 no.20:536-540 18 May 56.

1. Z chirurgického oddeleni OUNZ Rychnov n. Kn. Prednosta MUDr.
Jaroslav Kudr, krajsky chirurg.

(VARICOSE VEINS, compl.

thrombophlebitis, influenza & necrosis of abdom. skin. (Cs))

(THROMBOPHLEBITIS, compl.

varicose veins, influenza & necrosis of abdom. skin (Cs))

(INFLUENZA, compl.

thrombophlebitis, varicose veins, & necrosis of abdom.
skin. (Cs))

(NECROSIS,

skin of abdom., with thrombophlebitis, varicose veins
& influenza (Cs))

(SKIN, dis.

necrosis of abdom. skin, with thrombophlebitis, varicose
veins & influenza (Cs))

(ABDOMEN, dis.

same.)

KUDR, Jaroslav, Dr.

~~Colles fracture.~~ Acta chir. orthop. traum. cach. 24 no.2:
122-129 Mar 57.

1. Krajsky chirurg OUNZ Rychnov nad Knesnou.
(RADIUM, fract.
Colles fract., ther. & follow-up (Cs))

KUDR, Jaroslav, MUDr., krajsky chirurg.

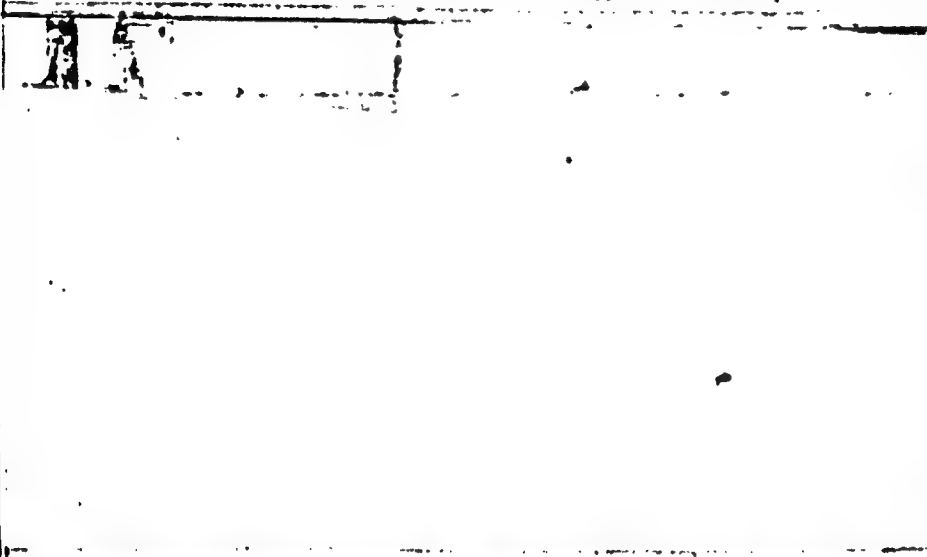
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1. Chirurgické oddělení OUNZ v Rychnově n. Kn.
(CHLORTETRACYCLINE, ther. use
intraperitoneal admin., contraindic. (Cs))

EXCERPTA MEDICA Dec 6 Vol 13 6 Surgery August 59

4385. CONTRIBUTION ON COMPLETE SCALPING OF THE SKULL - Beitrag zur Behandlung völliger Skalpierung des Schädels v. Kudr J. and Mihola M. Chir. Abt., Bezirkskrankenh., Rychnov n. Kn., CSR - ZBL-CHIR. 1958, 83/11 (686-690) Illus. 6

Description of a case of extensive total scalping, which was healed by the primary application of the prepared scalp (according to Wolf-Krause). A good result was secured on the one hand by immediate surgery with the object of definitive coverage of the skin defect after skull scalping, on the other hand by the rapid preparation of the scalp, where a three-litre pan served as support for the scalp.



KUDR, Jaroslav

On the significance of clinico-pathological analysis of deceased surgical patients. Rozhl.chir. 39 no.8:565-568 Ag '60.

1. Chirurgické oddelení OUNZ Rychnov n.Kn., prednosta dr.
Jaroslav Kudr, krajský chirurg.

(AUTOPSY)

(SURGERY OPERATIVE)

KUDR, Jaroslav

Surgery of diverticuli of the duodenum, Sborn. ved. prac. lek. fak.
Karlovy. univ. (Hrad. Kral.) 4 no.1 suppl.:43-69 '61.

1. Okresni ustav narodniho zdravi v Rychmově nad Knežnou.

(DUODENUM diseases)
(DIVERTICULOSIS surgery)

BEDRNA, J.; KUDR, J.

Surgical treatment of acute thrombophlebitis of the subcutaneous veins and varicosities of the legs. Rozhl. chir. 40 no.12:802-806 '61.

1. Chirurgické oddelení OUNZ v Rychnově n. Kn., prednosta MUDr.
J. Kudr, C. Sc.
(LEG blood supply) (VARICOSE VEINS surgery)
(THROMBOPHLEBITIS surgery)

KUDR, J., USAK, J.

Single-stage bilateral lumbar sympathectomy. Rozhl. chir. 40 no.12:
811-816 '61.

1. Chirurgické oddelení OUNZ v Rychnově n. Kn., prdn MUDr. J. Kudr,
C. Sc.

(SYMPATHECTOMY)

STARK, Jaroslav; KUDR, Jaroslav

Surgical therapy of lateral epicondylitis of the humerus. Rozhl.
chir. 41 no.8:548-553 Ag '62.

1. Chirurgické oddelení OUNZ v Rychnově n. Kn., přednosta MUDr. J. Kudr,
CSc.

(HUMERUS)

(BURSITIS)

(ELBOW)

KUDR, J.; USAK, J.

Contribution to surgical treatment of diaphyseal fractures
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1. Chirurgické oddelení Obvodního ústavu národního zdraví
v Rychnově n. Kn. (vedoucí MUDr. J. Kudr, CSc.).

KUDR. J.; STARK, J.

Our experiences with surgery of the acutely inflamed gallbladder.
Rozhl. chir. 44 no. 3:188-196 Mr '65

1. Chirurgické oddelení Obecního národního zdraví v
Rybníkově n. Koz. (Vedoucí: MUDr. J. Kudr., CSc.)

KUDRA, G.; BORISOV, U.

Machine operators master new machinery and progressive technology.
Prof.-tekh. obr. 22 no.3:10-11 Mr '65. (MIRA 18:7)

KUDRA, J.

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June 1956, Uncl.

KUDRA, J.; HETTENBERGER, J. - Vol. 3, no. 1, Jan. 1955. STROJIRENSKA VYROBA

Standardization of equipment. p. 9.

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Uncl.

KUDRA, J.; JANISEK, V. - Vol. 3, no. 2, Feb. 1955. STROJIRENSKA VYROBA

Hand lever clamps. p. 55.

80: Monthly list of East European Accessions, (REAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

SOUL, J.: JWIŁEK, V.

Resistance welding machines used in the fabrication of whole-metal carriages. n. 76
(Zvaranie, Vol. 4, no. 3, Mar. 1955, Praha.)

30: Monthly List of East European Accession, (EaL), LC, Vol. 4,
No. 11, Nov. 1955, Uncl.

KUDPA, J.; HETTENBERGER, J.

"Control and auxiliary apparatus of pneumatic machinery." p. 63.

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"Fastening materials in working with sheet metal; manual fastening; screws." p. 135

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Uncl.

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Jankov, V. Hand spring and wedge grip; fixing elements for sheet metal. . . 235.

Slovak technical terminology. p. 236.

Correct and incorrect technical terms. p. 237.

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1961.

KUDRA. J. ; HETTENBERGER, J. ; JANIWEK, V.

Fixing manual, with lever tools, the materials for sheet metalworking. p. 331

TECHNICKA PRACA. Czechoslovakia, Vol. 7, No. 7, July 1955

Monthly List of East European Accessions (EEAI), LC., Vol, 8, No. 9, September 1959
Uncl.

KUDRA, J.; HETTENBERGER, J.; JANIREX, V.

Fastening materials in working with sheet metal; manual fastening: lever tools.
p. 379

TECHNICKA PRACA. Czechoslovakia, Vol. 7, No. 8, Aug. 1955

Monthly list of East European Accessions (EEAI), IC. Vol. 8, No. 9, September 1959
Uncl.

KUDPA, J.; HETTENBERGER, J.; JANIREK, V.

Fastening materials in working with sheet metal; manual fastening: level tools.
p. 479

TECHNICKA PRACA. Bratislava, Czechoslovakia, Vol. 7, No. 10, Oct. 1955

Monthly List of East European Accessions (EFAI), LC. Vol. 8, No. 9, September 1959
Uncl.

Handling sheet metal during production. p. 254. "TEKHNIKA" I. 111.
(Statno nakladatelstvo technickéj literatury) Vol. 8, no. 6, June., 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

KUDRA, Josef

Resistance spot welding equipment. Zvaranie 12 no. 12:
347-352 D '63.

1. Zavodni pobočka Československa vědecko-technické společnosti, Tatra, n.p., Kopřivnice.

KUDRA, Josef

Advanced method of spot welding of automobile bodies.
Automobil Cz 8 no. 3: 19-24 Mr '64.

1. Tatra, Koprivnice.

30(1)

SOV/21-59-5-23/25

AUTHORS: Gershenzon, S.M., Karpov, A.Ye. and Kudra, M.S.

TITLE: On the Activation of Silkworm Polyhedral Virus by Fluoride Treatment

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1959, Nr 5, pp 550-553 (USSR)

ABSTRACT: The Vago's [Ref. 3-5] method of activating the latent virus of silkworm nuclear polyhedrosis (jaundice) by adding fluoride compounds to the food of larvae in order to eliminate carriers of the latent virus, was put by the authors to test. It was found out that such treatment results in an activation of the latent virus in only some of the individuals having it and only when they had been weakened before by unfavorable ecological conditions. A further increase of dosage of fluoride salts proved to be harmful to the larvae and led to perdition from bacterial diseases and physiological debility. A table on page 551 shows the results of the experiments. There is 1 table

Card 1/2

SOV/21-59-5-23/25

On the Activation of Silkworm Polyhedral Virus by Fluoride Treatment
and 6 references, 1 of which is Soviet and 5 Italian.

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the
AS UkrSSR)

PRESENTED: By V.G. Kas'yanenko, Member of the AS UkrSSR

SUBMITTED: December 29, 1958

Card 2/2

[illegible]

The reduction of zinc oxide in the presence of metallic copper. V. A. PLOMBOVSKIY AND O. K. KUPRA. *J. Gen. Chem.* (U. S. R. R.) 1, 1078 (1931). When a mist of ZnO and pieces of Cu is heated in a stream of H_2 , Zn begins to separate from the Cu surface at $415^\circ C$. If CO replaces H_2 , reduction begins at 300° , and if a mist of CO and H_2 is used, at 400° . In each case, the amt. of Zn formed increases with temp., but the layer on the Cu surface is not thick enough to affect its color. Zn appears even when the Cu is not touching the ZnO. This indicates the formation of a volatile compd., possibly ZnH_2 , which decomposes on Cu. Probably this compd. and $Cu(CO)$, are concerned in MeOH synthesis. H. M. LACROIX

[illegible]

A10.114 METALLURGICAL LITERATURE CLASSIFICATION

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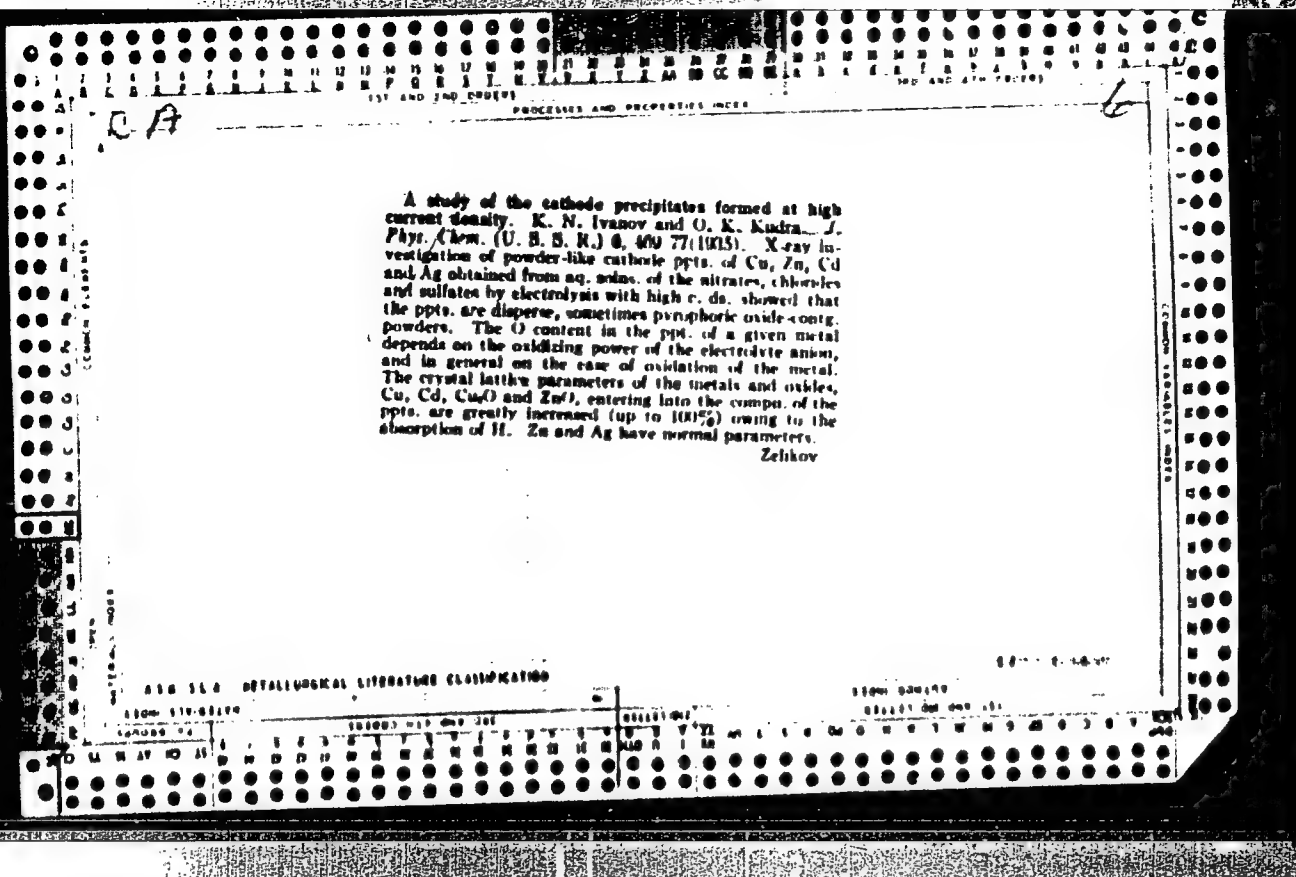
<p>3C</p> <p>Electrolysis of cadmium sulphate. O. K. KUDRA (Mém. Inst. Chim. Ak. Ukrain. Acad. Sci., 1934, 1, 197. 377). — With cylindrical cathodes optimum Cd deposits are obtained with a solution containing $(\text{NH}_4)_2\text{S}_2\text{O}_8$ acid 0.1, and gelatin 0.01%, using a c.d. of 0.01 amp. per sq. cm. On Al cathodes, dense smooth Cd foil of 4 mm. thickness is obtainable. (Ch. Abstr., 4)</p>		<p>B-Z-6</p>
<p>ASB. 15.4 METALLURGICAL LITERATURE CLASSIFICATION</p>		

<p>BC</p> <p style="text-align: right;">B-I-B</p> <p>Electrolytic preparation of aluminum from Clay. V. A. PLOTSKOV, O. K. KUMAR, D. P. ZOSTRAVITSKY, and I. M. FOMIN (J. Chem. Ind. Russ., 1934, 50, No. 10, 80-84).—86% of the Al content of kaolin precipitated at 120° is extracted by 1%, 81–88% by 4%, and 98–99% by 10% H₂SO₄ at 75°. The solution, containing Al(BO)₃ (4–6%, using 6% H₂SO₄), Fe₂(BO)₃, and Na₂BO₃, is electrolyzed, when Al(OH)₃ is pptd. in the anolyte (A) and H₂SO₄ is regenerated in the catho- lyte (C). The altered A, containing Na₂BO₃, is returned to C, yielding further H₂SO₄. R. T.</p>																																																																																																					
<p align="center">ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p align="right">62-74-2275</p>																																																																																																					
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CA

Examination of cathode sludges obtained when using currents of high density. Causes of formation of spongy cathode deposits. O. Kudra and K. Ivanov. *Mos. Inst. Chem. All-Ukrainian Acad. Sci.* 1, 299-310, 311-19 (1965).--X-ray examn. of the sludges obtained from aq. $\text{Cu}(\text{NO}_3)_2$, CuSO_4 , CuCl_2 , ZnCl_2 , $\text{Zn}(\text{NO}_3)_2$, $\text{Cd}(\text{NO}_3)_2$, and AgNO_3 shows that these are mixts. of the metals and their lower oxides (Cu_2O , ZnO , CdO , Ag_2O), contg. adsorbed H_2 . The mechanism of formation of the oxides is discussed. Spongy, but not bright, deposits of Cd and Zn contain oxides, whence it is concluded that failure to obtain adherent metallic deposits is assocd. with oxidative processes taking place at the cathode (probably due to anions), under conditions of excessively low or high c. d.
H. C. A.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



Electrolysis of benzene nitrobenzene solutions of potassium and aluminum bromides. A. A. Planchon and G. K. Kypria. *Mem Inst Chem U.S.S.R.* (1968) 3, 117. (1968), at 100°C. The yield of K obtained by electrolysis of KBr-AlBr₃ in C₆H₆-PhNO₂ is proportional to [KBr] and rises to a max. of 17% with a mixt. contg. KBr 2.05, AlBr₃ 1.05, C₆H₆ 0.11 and PhNO₂ 7.11 g. Electrochemical and cryoscopic study of the systems aluminum bromide-alkali bromide and rubidium chloride in benzene. A. A. Planchon and I. D. Demchenko. *Ibid.* 177-87. The system AlBr₃-BuBr, C₆H₆ is nonconducting and the components are not evolved. Electrolysis of the system AlBr₃-RbCl-C₆H₆ results in liberation of H₂ at the anode and of a black, spongy mass, contg. Al crystallites, at the cathode. Mol. wt. data suggest formation of a complex, probably AlBr₃-RbCl. Electrochemical study of the systems alkali chlorides-aluminum bromide-nitrobenzene. J. P. Mesherind. *Ibid.* 211-30. σ of AlBr₃ in C₆H₆ rises with increasing [MCl] (M = H, Li, Na, K) to a max. at AlBr₃-MCl = 1, suggesting formation of 1:1 complexes. The decomposition potentials rise with increasing at. wt. of M. Alkali metal is liberated at the cathode during electrolysis. H & A.

ASD 51.6 METALLURGICAL LITERATURE CLASSIFICATION

KUDRA, O. K.

"Etude electrochimique des bromures d'aluminium et de potassium dans un melange des solvants". Plotnikow, W. A., Kudra, O. K. et Me, ennij, J. F. (p. 1286)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1936, Vol. 6, No. 9

Black Silver Deposits. O. K. Kudra (*Zapiski Institute Khimii, Ukrain'ska Akademia Nauk (Mem. Inst. Chem., Acad. Sci. Ukrain. S.S.R.),* 1937, 4, 48-50; C., ibid., 1937, 31, 5688).--[In Ukrainian.] Black silver deposits at high current densities are due to deposition of complex double ions, as a result of rapid depletion of simple silver ions.-- R. G.

BC

Black cathodic deposits. O. K. KUDRA (J. Phys. Chem. Russ., 1937, 9, 290-291).—The time τ from the beginning of the electrolysis of aq. AgNO_3 to the appearance of a black deposit is measured and represented as a function of concn. (C) and e.d. (a), by $\log \tau = 1.053 \log a + 0.5364 \log C + 0.4247$. The formation of "blacks" is attributed to the discharge of complex ions (e.g., Ag_2NO_3). This is confirmed by a simultaneous jump in the decomp. potential of $(\text{AgNO}_3)_2$ from 1.31 to 2.52 volt.

K. R.

17-1

Cathode processes. New method for the study of solutions. O. K. KUDRA (Mem. Inst. Chem. Ukrain. Acad. Sci., 1938, 4, 383-384).—The relation $Q = \text{wt.}$, in which t is the time needed for the formation of a black powdery deposit on the cathode (cf. A., 1937, I, 389), C is the cation concn., and e the e.d., is deduced. The formula is in agreement with the results of experiments with aq. ZnSO_4 , AgNO_3 , and CuCl_2 . The measurement of the time required for blackening of the cathode can be used to calculate the cation concn. F. L. U.

111 AND 112 PROPERTIES		113 AND 114 PROPERTIES	
PROPERTIES AND PROPERTIES		PROPERTIES AND PROPERTIES	
<p>BC</p> <p>Electrolysis of solutions of potassium and aluminium chlorides in nitrobenzene. V. A. PLOTNIKOV and O. K. KURINA (Mos. Inst. Chem. Ukrain. Acad. Sci., 1938, 6, 406-412).—Electrolysis of PhNO_2 solutions of $\text{KCl} + \text{AlCl}_3$ with Al anode and Cu cathode separated by a diaphragm leads at first to the deposition of pure K. In experiments of long duration the cathodic deposit contains in addition Al, Cl, and PhNO_2, and explodes when heated.</p> <p>F. L. U.</p>		<p>A-1</p>	
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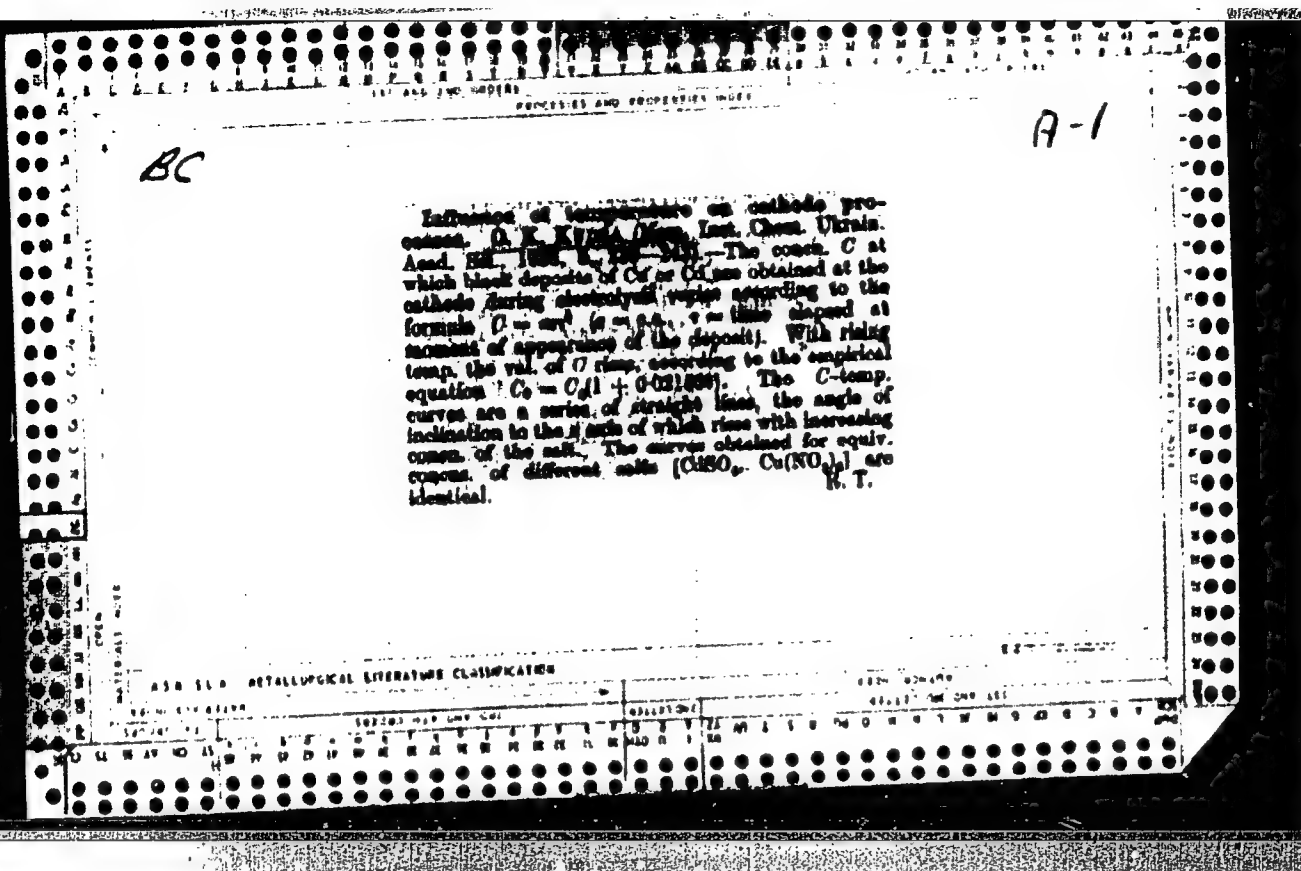
BC

A-1

Decomposition potentials at various current densities. O. K. KUNDA (Mem. Inst. Chem. Ukrain. Acad. Sci., 1938, 8, 127-134). $\text{Cu}(\text{NO}_3)_2$, CuCl_2 , CuSO_4 , CdSO_4 , and AgNO_3 were used. For c.d. leading to a smooth metal deposit the decomp. potential is independent of the concn. When the c.d. is so high that a black powder is deposited, the decomp. potential decreases with increasing concn. The theory is advanced that the black powders are due to discharge of complex ions.

J. J. H.

ASAC 51.8 DETAILING LITERATURE CLASSIFICATION



BC

7-1

Thermoelectric elements. O. K. KUDNA (Mos. Inst. Chem. USSR. Acad. Sci., 1968, 8, 245-249).—The ϵ_{max} developed between a hot and a cold Cu electrode immersed in CuSO_4 , $\text{Cu}(\text{NO}_3)_2$, cupricyanide, and cuprousammonium solutions may attain val. of up to 0.18 V., with a temp. gradient of 90°. The charge on the hot electrode is positive in the case of Cu in CuSO_4 or cuprousammonium solutions, of Ag in ammoniacal AgCl , of Cu in aq. CuSO_4 , and of Fe in aq. FeSO_4 , and negative in the case of Cu in aq. cupricyanide, Ag in aq. AgNO_3 , and Fe in aq. $\text{K}_4\text{Fe}(\text{CN})_6$. R. T.

ASB 3.6. METALLURGICAL LITERATURE CLASSIFICATION

CA

Decomposition potential at various current densities.
(1) K. Kustin. *J. Phys. Chem.* (U. S. S. R.) 12, 148-52
(1938).- *Rev. C. A.* 33, 44¹. R. J. C.

A 50 554 DETAILLOGICAL LITERATURE CLASSIFICATION

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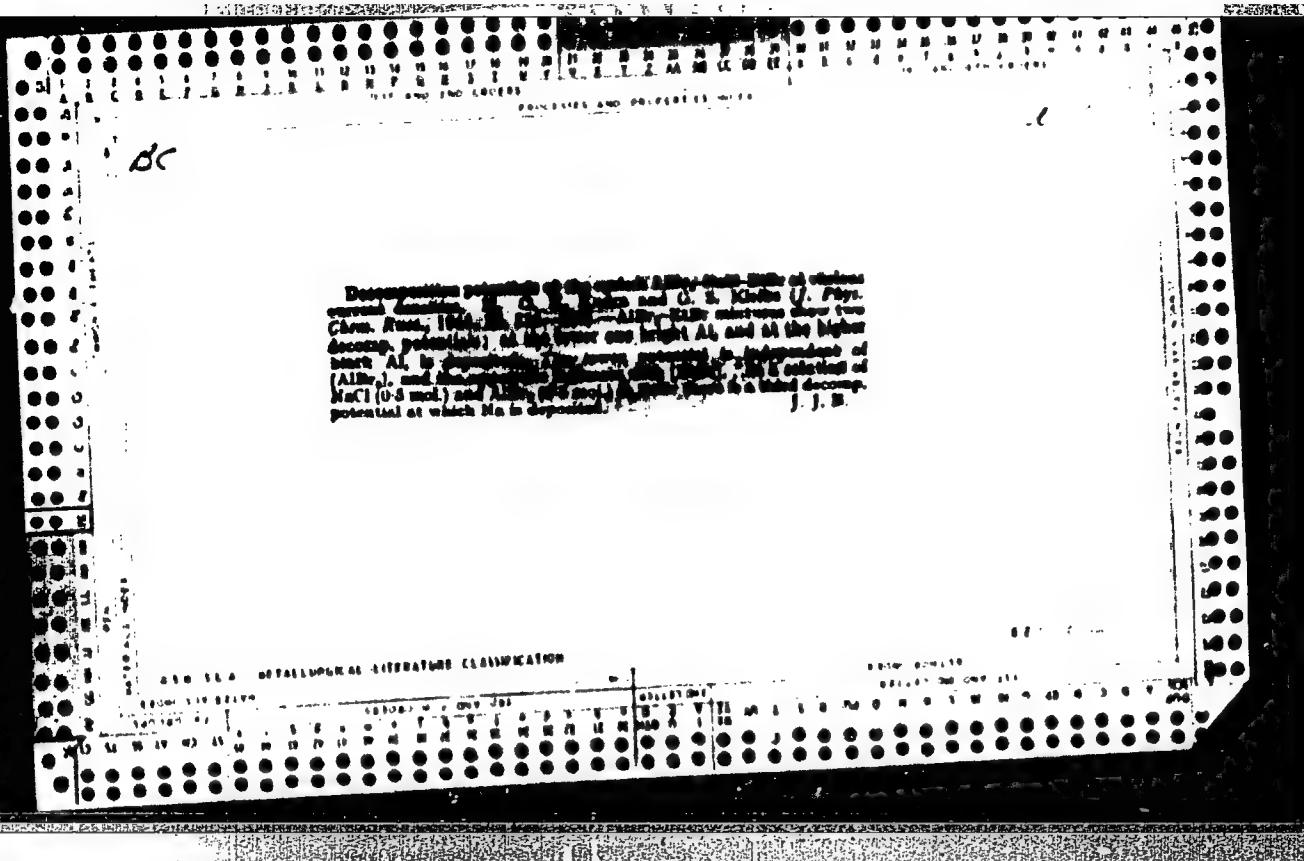
1120 0304 4

1994 2000 2006 2012

PROCESS AND PROPERTY INDEX	
<p><i>M</i></p> <p>*Copper Plating in Ammoniacal Baths. (I. N. Kudra and I. H. Kleib (Zapiski Ind. Khim., Akad. Nauk U.S.S.R., 1940, 17, 203-208 (in Russian, 409; in German, 210); C. Ab., 1941, 34, 3796).—Compositions of ammoniacal baths for plating copper on iron, aluminium, and duralumin were studied. The electrolyte consisted of copper sulphate 65, ammonium sul</p> <p>phate 20 grm., ammonium hydroxide (25%) 500 ml., and water to make 1 litre. The copper deposit on iron was shiny and dense. Aluminium and duralumin were also plated in similar baths; the c.d. for aluminium was 2-7-3, and for duralumin 4-7-5 amp./dm.². The deposits were shiny and dense and adhered well. The metal was rolled and subjected to many bending tests without scaling of the copper deposit.</p>	<p>62</p>
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>	

CA

Deposition potential at various current densities
 1. The systems arsenic tribromide ether and antimony trichloride ether. O. K. Kudin and G. S. Kiselev. *Phys. Chem. (U. S. S. R.)* 15, 226 (1941). Solns. of pure $AsBr_3$ and $SbCl_3$ in pure ether exhibit two distinct decomposition potentials (d. p.). The lower d. p. corresponds to the deposition of a smooth metal deposit, independent of the concn. of solute up to 20 wt. %, and has the values 0.43 and 1.20 v. (calcd. from Thompson's formula 0.46 and 1.32 v.) resp. The higher d. p. corresponds to deposition of a black powdery deposit and decreases asymptotically with increasing concn. of solute from 1.44 to 1.14 and 1.97-1.44 v., resp., between 10 and 30 wt. % solute. The relation between current and applied potential for any given concn. of solute is given by two straight lines; that for the smooth deposit from $AsBr_3$ soln. crossing the abscissa at 0.6, that for the black deposit at 1.18-1.20 v. The existence of two d. ps. and the formation of the black deposit is attributed to the presence of complex ions of solute and solvent in the soln. 11. The systems $AlBr_3$ - C_2H_5Br and $AlBr_3$ - $NaCl$ - C_2H_5Br . *Ibid.* 234 B. As in the case of $AsBr_3$ and $SbCl_3$ with ether, the system $AlBr_3$ - C_2H_5Br shows two d. ps., a lower const. value of 0.74 v. (calcd. from thermochem. data 1.76 v.) and an upper d. p. decreasing from 2.28 to 2.10 to 2.06 between 5, 20 and 55 wt. % $AlBr_3$. The current-voltage diagram consists of two straight lines crossing the abscissa at 0.8 v. for white and 2.4 v. for black Al deposits. Addn. of NaCl to the soln. causes disappearance of the lower d. p. and in large amts. also an increase of the upper d. p. up to a curve 4.25-4.05 v. for the ratio $NaCl/AlBr_3 = 1/1$. The formation of the black deposit and the effects given by addn. of NaCl are interpreted in terms of a complex ion mechanism. The differences between the observed d. ps. for the smooth deposits of As and Al and those calcd. from the thermochem. data are due to cathodic depolarization. P. H. Mathmann



MOSKVIN, Grigoriy Vikiiforovich; KUIRYASHEV, Aleksandr Timofeyevich;
ARTEMKIN, Aleksey Andreyevich; SURZHIN, Boris Aleksandrovich;
GONCHAROV, S.F., kand.tekhn.nauk. red.; BOBROVA, Ye.N.,
tekhn.red.

[Manual for railroad water supply workers] Rukovodstvo rabotnikam
zheleznodorozhnogo vodomahsheniia. Moskva, Vses.izdatel'sko-
poligr.ob"edineniie M-va putei soobshcheniia, 1960. 509 p.
(MIRA 13:5)

(Railroads--Water supply)

VESELOV, V.V., insh.; KUDRYASHOV, A.I., insh.; ORECHKIN, D.B., insh.;
POPOVA, N.V., insh.

Effect of the content of nonsulfur compounds on the quality
of washing powders. Masl.-shir.prom. 26 no.1:13-15 Ja '60.
(MIRA 13:4)

(Cleaning compounds)

KISELEVA, Ye.V.; KARETNIKOV, G.S.; KUDRYASHOV, I.V.; BOTVINKIN, O.K., doktor
khim.nauk, retsenzent; MAKOLKIN, I.A., doktor tekhn.nauk, retsenzent;
MISHCHENKO, K.P., doktor khim.nauk, retsenzent; GRYAZNOV, V.M.,
red.; REZUKHINA, T.W., red.; ZAZUL'SKAYA, V.F., tekhn.red.

[Collection of illustrated physical chemistry problems and exercises]
Sbornik primerov i zadach po fizicheskoi khimii. Moskva, Gos.
nauchno-tekhn.isd-vo khim.lit-ry, 1960. 264 p. (MIRA 13:7)
(Chemistry, Physical and theoretical--Problems, exercises, etc.)

SOV/124-59-8-8862

Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 8, p 79 (USSR)

AUTHORS: Kudryashov, L.I., Devyatkin, B.A.

TITLE: On the Possibility of Applying the Conditions of a Uniform Helical Motion to the Investigation of the Nonisothermic Motion of a Gas Under Laminar Conditions in Horizontal Pipes of Circular Cross Section

PERIODICAL: Sb. nauchn. tr. Kuybyshevsk. industr. in-ta, 1957, Nr 7, pp 61 - 73

ABSTRACT: The authors attempt to study the nonisothermic motion of a gas in pipes by application of a model of uniform helical motion. The special case of the motion of a baroclinic viscous gas is discussed, when the condition

$$\frac{1}{\rho} \text{grad } p = - \text{grad} \left(\frac{1}{2} v^2 + \tau \right) - v \text{ rot } (f v)$$

is fulfilled for the entire flow and the vectors v and $\text{rot } v$ satisfy the condition: $\text{rot } v = f v$. The authors repeat here ✓

Card 1/2

Investigation of Copper
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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000827120012-8"

7

M

***Compact and Powdery Electrolytic Deposits of Cadmium and of Manganese.**
O. Kudra and E. Giltman (Zhur. Prikl. Khim., 1947, 20, 603-612; C. Abt., 1948, 42, 1924).—[In Russian]. Current/voltage curves were taken with a constant anode surface of 216 mm.² and three platinum cathodes of (I) 216, (II) 44, and (III) 17 mm.², permitting 3 consecutive readings at widely different c.d. with the same current intensity. In solutions of $(\text{Cd}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O})$ (0.6-20%), transition from compact to powdery deposits is sudden and is accompanied by a discontinuous jump ΔE of the decomposition potential on curve II; ΔE increases with dilution, from 0.24 to 0.94 V. between 20 and 0.60%, i.e. whereas the first decomposition potential (E_1) is independent of the concentration (~2.2 V.), the second (E_2), corresponding to deposition of powdery cadmium, is variable. The magnitude and the increase of ΔE with increasing dilution are even more marked in solutions of $(\text{MnSO}_4 \cdot 5\text{H}_2\text{O})$. This demonstrates that E_2 cannot be ascribed to evolution of hydrogen, particularly as hydrogen does accompany perfectly compact deposition, and increased acidity favours compactness, not pulverulence. A discontinuous ΔE (of ~1.8 V.) appears also in the electrolysis of 0.05% H_2SO_4 and, since it is observed only on curve III, is obviously due to a cathodic process; in 7% HCl , discontinuities are seen on all 3 curves, corresponding to three values of $E = 1.4, 1.8, \text{ and } 2.35 \text{ V.}$; the first two, found on curves I and II, correspond to evolution of chlorine and oxygen at the anode, while the third, found only in III, must be linked with a new cathodic process. In 1% $\text{MnSO}_4 \cdot 5\text{H}_2\text{O}$, E_1 (on curve I) ~ 1.8 V. corresponds to evolution of hydrogen; E_2 (II) ~ 2.76 V., to compact manganese; E_3 (III) ~ 3.21 V., to powdery manganese; similarly, in 0.15% $\text{Mn}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$, E_1 (I) ~ 1.75 V. (H₂), E_2 (II) ~ 2.5 V. (compact Mn), E_3 (III) ~ 3.0 V. (powdery Mn). At various concentrations of either MnSO_4 or $\text{Mn}(\text{NO}_3)_2$, $\Delta E = E_2 - E_1$ increases with dilution; only $\Delta E = E_3 - E_2$ increases with dilution; the discontinuous ΔE which coincides with pulverulent deposits

points to discharge of complex ions, the presence of which must thus be assumed even in simple electrolytes, and this is borne out by other electrographic and A.C. electrolysis observations.

4

PROCESSES AND PROPERTIES OF
Polarograms in the absence of a background F. M. Skobets and O. K. Kuznetsov. *Zhur. Priklad. Khim.* (1) *Applied Chem.* 20, 1170 (1947). An answer to the problem of attribution of the 2 distinct decomposition potentials observed in the electrolysis of salts of several metals, the lower potential corresponding to deposition of compact, the higher to that of spongy metal, was sought by investigating the current-voltage curves of CdSO_4 and CuSO_4 solns. with a dropping Hg cathode. The fact that the 2 potentials are found also on this cathode (e.g., in 0.4 and 1.0 M CdSO_4 , 0.9 and 3 v.), proves that the change of deposition potential is not due to a change in the condition of the metal surface. This is further corroborated by the occurrence of the 2 potentials in solns. of metals which are not deposited in aq. solns., e.g., NaCl . That the 2nd potential is not due to discharge of H^+ ions, follows from the absence of any visible H_2 evolution at and far beyond this 2nd potential, in CdSO_4 and CuSO_4 solns. In acidified solns., one finds 3 distinct potentials of which the 2nd (not the 3rd) corresponds to discharge of H^+ and evolution of H_2 . Consequently, the highest potential which, on a solid cathode, corresponds to powdery deposition, must be due to a discharge of a different kind of metal ions, probably complex ions. Two potentials are found also in the electrolysis of solns. of strong acids, thus, in 0.005 M H_2SO_4 , at 1.8 and 3.4 v. The size of the difference excludes interpretation by direct decomposition of H_2O and attribution of the higher decomposition potential to H^+ ions or to overvoltage. It must be assumed that, even in solns. of acids, the 2nd potential corresponds to discharge of complex ions. Such complex ions produce, in metal salt solns., the spongy powdery deposits. N. T.

KUDRA, O. K.

35190. Zakon Elektroydeleniya Metallov Pri Vysokikh Plotnostyakh Toka. V SB:50
Let Kievsk. Politekhn. In-Ta. Kiev, 1948, S. 169-81. —Bibliogr:16 Nasv.

80: Letopis' Zhurnal'nykh Statey. Vol. 48, Moskva, 1949

KUDRA, O.

PA 70T11

USSR/Chemistry - Electrolysis
Chemistry - Anions

Mar 1948

"The Problem of the Influence of Anions on Electrode Processes," O. Kudra, E. Gitman, 5 pp

"Zhur Prii Khim" Vol XXI, No 3, pp. 184-89

For cadmium and manganese nitrate solutions, the potentials of formation of loose cathode deposits are sensibly lower than those for solutions of other salts of these metals. It was suggested that this was connected with the oxidizing action of the NO_3^- ion. The described experiments with zinc and lead salts at various current densities, however, show that this is not the case. Submitted 2 Jun 1947.

70T11